

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

AWAPATENT AB
P.O. Box 45086
S-104 30 Stockholm
SUÈDE

Date of mailing (day/month/year)
07 June 2000 (07.06.00)

Applicant's or agent's file reference
2008128
International application No.
PCT/SE99/01799

IMPORTANT NOTIFICATION

International filing date (day/month/year)
07 October 1999 (07.10.99)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address BOHM, Christer Varpholmsgård 32 S-127 46 Skärholmen Sweden	State of Nationality SE	State of Residence SE
Telephone No.		
Facsimile No.		
Teleprinter No.		

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address BOHM, Christer Skurusundsvägen 40 S-131 46 Nacka Sweden	State of Nationality SE	State of Residence SE
Telephone No.		
Facsimile No.		
Teleprinter No.		

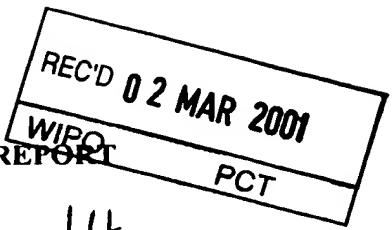
3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer C. Cupello
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY EXAMINATION REPORT



(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference PC-2008128	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE99/01799	International filing date (day/month/year) 07.10.1999	Priority date (day/month/year) 07.10.1998
International Patent Classification (IPC) or national classification and IPC7 H04L 12/52, H04L 12/56, H04Q 11/04		
Applicant NET INSIGHT AB et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 18.04.2000	Date of completion of this report 23.02.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer Rickard Elg/LR Telephone No. 08-782 25 00

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01799

I. Basis of the report

1. With regard to the elements of the international application:*

 the international application as originally filed the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

 the claims:

pages _____, as originally filed

pages _____, as amended (together with any statement) under article 19

pages _____, filed with the demand

pages _____, filed with the letter of _____

 the drawings:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

 the sequence listing part of the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

 the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

 contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4. The amendments have resulted in the cancellation of: the description, pages _____ the claims, Nos. _____ the drawings, sheet/fig _____5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01799

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-19	YES
	Claims		NO
Inventive step (IS)	Claims	1-19	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-19	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Problem and solution

The invention relates to method and an apparatus for providing routing of asynchronous traffic in a circuit-switched synchronous time division multiplexed network.

When transferring asynchronous traffic through a circuit-switched synchronous time division multiplexed network, such as DTM, a routing mechanism is needed. Current routing solutions are typically developed for use in different types of network architectures. These solutions therefore suggest mechanisms that result in poor use of the features of networks of DTM kind, such as the ability to dynamically establishing, terminating and modify channels. The problem to be solved is therefore to provide a routing solution that makes better use of the advantageous features of a network of DTM kind by providing a mechanism for switching among channels of a multi-channel multi-access bitstream.

The invention presents a routing method in which a data packet from a node connected to a multi-access bitstream carrying isochronous channel is received in one of said isochronous channels, and where the said channel is used for carrying asynchronous traffic. It is determined if said data packet is to be transmitted to another node connected to said bitstream using another channel of said isochronous channels. If so, the said data packet is transmitted to said another node using said another channel. . .

.../...

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01799

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V

The following documents have been cited in the International Search Report:

D1: WO, 9703526, A2

D2: WO, 9417617, A1

D3: WO, 9414255, A1

D4: WO, 9736403; A1

D5: C. Bohm et al., "The DTM Gigabit Network", Journal of High Speed Networks, vol. 3, 1994, pp. 109-126

Document D1 discloses a telecommunications facility for transporting data packets having headers and payloads between a plurality of input ports and a plurality of output ports.

Document D2 discloses an ATM switch, which may be modified to provide a predetermined delay when transmitting information cells, thereby enabling isochronous traffic.

Document D3 discloses an arrangement where an asynchronous frame is divided into two synchronous frames.

Document D4 discloses a method for transferring data in time slots in at least two parallel bitstreams along a shared optical media.

Document D5 introduces DTM, a circuit-switched synchronous time division multiplexed network.

The invention claimed in claims 1-19 is novel and shows industrial applicability. It appears that none of documents D1-D5, neither explicit nor implicit, addresses routing among channels of a multi-channel multi-access bitstreams. Therefore, it is not considered obvious to a person skilled in the art arriving at invention from any one, or any combination of documents D1-D5. Consequently, the invention claimed in claims 1-19 is considered to involve an inventive step.



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁷ : H04L 12/56	A2	(11) International Publication Number: WO 00/21256 (43) International Publication Date: 13 April 2000 (13.04.00)
--	-----------	---

(21) International Application Number: PCT/SE99/01799

(22) International Filing Date: 7 October 1999 (07.10.99)

(30) Priority Data: 9803418-4 7 October 1998 (07.10.98) SE

(71) **Applicant (for all designated States except US):** NET INSIGHT
AB [SE/SE]; P.O. Box 42093, S-126 14 Stockholm (SE).

(72) Inventors; and
(75) Inventors/Applicants (for US only): LINDGREN, Per
[SE/SE]; Maria Prästgårdsgata 12, S-118 52 Stockholm
(SE). BOHM, Christer [SE/SE]; Varpholmsgränd 32,
S-127 46 Skärholmen (SE). OLSSON, Bengt, J. [SE/SE];
Rådjursvägen 303, S-147 34 Tumba (SE).

(74) Agent: AWAPATENT AB; P.O. Box 45086, S-104 30
Stockholm (SE).

(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

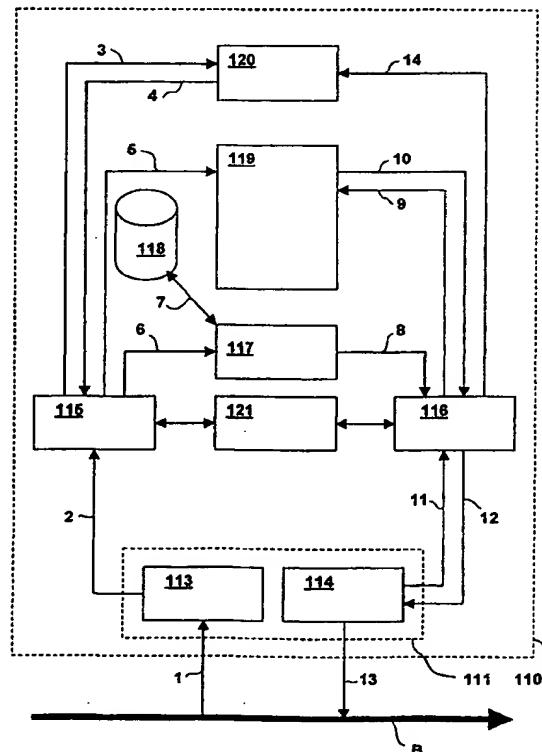
Published

Without international search report and to be republished upon receipt of that report.

(54) Title: METHOD AND APPARATUS FOR PROVIDING ROUTING IN A CIRCUIT SWITCHED NETWORK

(57) Abstract

Hence, according to the invention, a multi-channel multi-access bitstream (B) carrying isochronous channels is accessed, said isochronous channel being used for the transfer of asynchronous traffic, and a data packet from a node connected to said bitstream is received in an isochronous channel thereof. Then, it is determined if said data packet is to be transmitted to another node connected to said bitstream using another channel of said isochronous channels. If so, said data packet is transmitted to said another node using said another channel of said isochronous channels on said bitstream.



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakhstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : H04L 12/52, 12/56, H04Q 11/04		A3	(11) International Publication Number: WO 00/21256
			(43) International Publication Date: 13 April 2000 (13.04.00)
<p>(21) International Application Number: PCT/SE99/01799</p> <p>(22) International Filing Date: 7 October 1999 (07.10.99)</p> <p>(30) Priority Data: 9803418-4 7 October 1998 (07.10.98) SE</p> <p>(71) Applicant (for all designated States except US): NET INSIGHT AB [SE/SE]; P.O. Box 42093, S-126 14 Stockholm (SE).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): LINDGREN, Per [SE/SE]; Maria Prästgårdsgata 12, S-118 52 Stockholm (SE). BOHM, Christer [SE/SE]; Varpholmsgränd 32, S-127 46 Skärholmen (SE). OLSSON, Bengt, J. [SE/SE]; Rådjursvägen 303, S-147 34 Tumba (SE).</p> <p>(74) Agent: AWAPATENT AB; P.O. Box 45086, S-104 30 Stockholm (SE).</p>			<p>(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> <p>(88) Date of publication of the international search report: 13 July 2000 (13.07.00)</p>
<p>(54) Title: METHOD AND APPARATUS FOR PROVIDING ROUTING IN A CIRCUIT SWITCHED NETWORK</p> <p>(57) Abstract</p> <p>Hence, according to the invention, a multi-channel multi-access bitstream (B) carrying isochronous channels is accessed, said isochronous channel being used for the transfer of asynchronous traffic, and a data packet from a node connected to said bitstream is received in an isochronous channel thereof. Then, it is determined if said data packet is to be transmitted to another node connected to said bitstream using another channel of said isochronous channels. If so, said data packet is transmitted to said another node using said another channel of said isochronous channels on said bitstream.</p>			
<p>The diagram illustrates a network architecture for providing routing in a circuit-switched network. A multi-channel multi-access bitstream (B) enters the system at the bottom. It is processed by a sequence of nodes: 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, and 120. The bitstream (B) is shown with an arrow pointing from 110 to 111, 111 to 112, 112 to 113, 113 to 114, 114 to 115, 115 to 116, 116 to 117, 117 to 118, 118 to 119, and 119 to 120. There are also feedback loops and connections between nodes: 110 and 111, 111 and 112, 112 and 113, 113 and 114, 114 and 115, 115 and 116, 116 and 117, 117 and 118, 118 and 119, 119 and 120, 110 and 112, 111 and 113, 112 and 114, 113 and 115, 114 and 116, 115 and 117, 116 and 118, 117 and 119, 118 and 120, 110 and 118, 111 and 119, 112 and 120, 113 and 117, 114 and 118, 115 and 120, 116 and 119, 117 and 120, 118 and 110, 119 and 111, 120 and 112, 110 and 113, 111 and 114, 112 and 115, 113 and 116, 114 and 117, 115 and 118, 116 and 120, 117 and 119, 118 and 110, 119 and 111, 120 and 112, 110 and 117, 111 and 118, 112 and 120, 113 and 115, 114 and 116, 115 and 119, 116 and 120, 117 and 119, 118 and 110, 119 and 111, 120 and 112, 110 and 114, 111 and 115, 112 and 116, 113 and 117, 114 and 118, 115 and 120, 116 and 110, 117 and 112, 118 and 113, 119 and 114, 120 and 115.</p>			

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/01799

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/52, H04L 12/56, H04Q 11/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04Q, H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9703526 A2 (NORTHERN TELECOM LIMITED), 30 January 1997 (30.01.97), page 10, line 11 - page 15, line 14, claims 1-25 --	1-19
A	WO 9417617 A1 (TELEFONAKTIEBOLAGET LM ERICSSON), 4 August 1994 (04.08.94), page 30, line 22 - page 32, line 10, claims 1-40 --	1-19
A	WO 9414255 A1 (TELIA AB), 23 June 1994 (23.06.94), page 18, line 6 - line 20, figure 10, claims 1-20 --	1-19
A	WO 9736403 A1 (NET INSIGHT AB), 2 October 1997 (02.10.97), page 9, line 29 - page 13, line 6 --	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

6 April 2000

Date of mailing of the international search report

13-04-2000

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86Authorized officer
Erik Johannesson/CL
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/01799

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Journal of High Speed Networks, Volume 3, 1994, Christer Bohm et al, "The DTM Gigabit Network, Journal of High Speed Networks" page 109 - page 126</p> <p>---</p> <p>-----</p>	1-19

INTERNATIONAL SEARCH REPORT
Information on patent family members

02/12/99

International application No.	
PCT/SE 99/01799	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9703526 A2	30/01/97	CA 2225333 A		30/01/97
		CN 1194073 A		23/09/98
		EP 0838110 A		29/04/98
		US 5841771 A		24/11/98
		US 5862136 A		19/01/99
WO 9417617 A1	04/08/94	AU 693084 B		25/06/98
		AU 5982494 A		15/08/94
		AU 6381798 A		18/06/98
		BR 9406142 A		12/12/95
		CA 2153172 A		04/08/94
		CN 1097535 A		18/01/95
		EP 0681770 A		15/11/95
		FI 953594 A		27/07/95
		JP 8505991 T		25/06/96
		MX 9308193 A		31/01/95
		NO 952980 A		21/09/95
		US 5361257 A		01/11/94
		US 5467347 A		14/11/95
WO 9414255 A1	23/06/94	EP 0739556 A		30/10/96
		SE 501373 C		30/01/95
		SE 9203796 A		18/06/94
		US 5654969 A		05/08/97
WO 9736403 A1	02/10/97	AU 2315097 A		17/10/97
		EP 0850343 A		01/07/98
		EP 0886935 A		30/12/98
		SE 508889 C		16/11/98
		SE 9601132 A		10/10/97